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(54) Title: METHOD FOR DESCRIBING THE COMPOSITION OF AUDIO SIGNALS

(57) Abstract: Method for describing the composition of audio signals, which are encoded as separate audio objects. The arrangement and the processing of the audio objects in a sound scene is described by nodes arranged hierarchically in a scene de-scription. A node specified only for spatialization on a 2D screen using a 2D vector describes a 3D position of an audio object using said 2D vector and a 1D value describing the depth of said audio object. In a further embodiment a mapping of the coordinates is performed, which enables the movement of a graphical object in the screen plane to be mapped to a movement of an audio object in the depth perpendicular to said screen plane.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04S3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SCHEIRER E D ET AL: "AUDIOBIFS: DESCRIBING AUDIO SCENES WITH THE MPEG-4 MULTIMEDIA STANDARD" IEEE TRANSACTIONS ON MULTIMEDIA, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 1, no. 3, September 1999 (1999-09), pages 237-250, XP001011325 ISSN: 1520-9210 page 244, column 1	1,5

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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